

What is claimed is:

1. Combination product for controlling insect pests on a mammal comprising a insecticidally effective amount of diflubenzuron and dicyclanil and suitable carriers or diluents.
2. Combination product according to claim 1 characterized in that it is in the form of a topical formulation for simultaneously controlling louse infestations and preventing blowfly strikes on sheep and goats comprising an insecticidally effective amount of each of the two active ingredients diflubenzuron and dicyclanil and suitable carriers or diluents.
3. Combination product according to any one of claims 1 and 2 characterized in that it is an oil-in-water or water-in-oil suspensions/emulsions (suspoemulsion).
4. Topical formulation according to any one of claims 2 and 3 characterized in that it controls flies that are resistant to organophosphorus and diflubenzuron-based insecticides.
5. Topical formulation according to any one of claims 2 to 4 that is tolerant of rainfall.
6. Topical formulation according to any one of claims 2 to 5 in the form of a pour-on, spot-on or spray-on formulation consisting of a suspoemulsion comprising an insecticidally effective amount of each of the two active ingredients diflubenzuron and dicyclanil and further comprising at least a surfactant, an emulsifier, a preservative, a synergist, an antioxidant, an oily component, a solvent, a thickener, a neutralizer, and optionally one or more excipients selected from the group consisting of a coloring agent, and an antifoaming agent.
7. Pour-on, spot-on or spray-on formulation according to claim 6, comprising diflubenzuron in the range of 0.05 - 2.5%(w/v), preferably 1.0 - 2.0%(w/v), ideally about 1.5%(w/v), and dicyclanil in the range of 4.0 - 6.0%(w/v), preferably 4.5 - 5.5%(w/v), ideally about 5%(w/v).
8. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to claim 6, comprising a suitable surfactant in the range of 0.15 - 10.0%(w/v), preferably 0.2 - 4.0%(w/v), ideally about 0.25%(w/v).
9. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 and 7, comprising a suitable

emulsifier in the range of 0.01 - 0.30%(w/v), preferably 0.05 - 0.15%(w/v), ideally about 0.08%(w/v).

10. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 8, comprising one or more suitable preservatives in the range of 0.35 - 0.60%(w/v), preferably 0.40 - 0.50%(w/v), ideally about 0.45%(w/v).

11. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 9, comprising a suitable synergist in the range of 0.01 - 0.09%(w/v), preferably 0.03 - 0.07%(w/v), ideally about 0.05%(w/v).

12. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 10, comprising a suitable antioxidant in the range of 0.01 - 0.09%(w/v), preferably 0.03 - 0.07%(w/v), ideally about 0.05%(w/v).

13. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 11, comprising a suitable oily component in the range of 5.0 - 20.0%(w/v), preferably 7.0 - 15.0%(w/v), ideally about 10%(w/v).

14. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 12, comprising a suitable solvent in the range of 5.0 - 30.0%(w/v), preferably 10.0 - 25.0%(w/v), ideally about 20%(w/v).

15. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 5 to 13, comprising a suitable antifoaming agent in the range of 0 - 0.05%(w/v), preferably 0.2 - 0.4%(w/v), ideally about 0.03%(w/v).

16. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 14, comprising a suitable thickener in the range of 0 - 4.0%(w/v), preferably 1.0 - 3.0%(w/v), ideally about 2.0%(w/v).
17. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 15, comprising a suitable coloring agent in the range of 0 - 0.05%(w/v), preferably 0.005 - 0.02%(w/v), ideally about 0.01%(w/v).
18. Pour-on, spot-on or spray-on formulation according to claim 6 consisting of an aqueous dispersion or suspoemulsion according to any one of claims 6 to 16, comprising a suitable neutralizer in the range of 0 - 0.06%(w/v), preferably 0.01 - 0.05%(w/v), ideally about 0.03%(w/v).
19. The use of any one of the formulations as claimed in any one of claims 1 to 18 for simultaneously controlling louse infestations and preventing blowfly strikes on sheep and goats.
20. The use of a formulation as claimed in any one of claims 1 to 18 in the treatment of sheep and goats against louse and blowfly infestation.
21. A method for controlling louse and blowfly infestation on sheep and goats comprising the administration of a formulation as claimed in any one of claims 1 to 18 to one or more small areas of the wool or fiber of the animal.
22. Process for the preparation of a formulation as claimed in any one of claims 1 to 18 comprising
- (a) the preparation of a gel phase by mixing suitable solvent, preservative and a suitable emulsifier with water;
 - (b) the preparation of an oily phase by combining a suitable triglyceride oil with antioxidant preservative and a thickener and/or stabilizer;
 - (c) and transferring said gel phase and said oily phase to a mixing tank and homogenizing both phases;

- 27 -

(d) the preparation of the active phase is prepared by mixing a synergist, solvent, surfactant and the active ingredients with water and milling the mixture until a lump free suspension is obtained;

(e) the preparation of the final formulation by mixing the homogenized phase of step (c), the active phase of step (d) and the coloring agent;

(f) adjustment of pH, and

(g) adjustment to final volume with water.